



Lahore Water and Wastewater Management
Project (LWWMP)

AIIB Project No. P000074

Contract No. 0074-PAK-01

Minutes of 2nd Pre-Tender Meeting

**SINGLE-STAGE TWO-ENVELOPE
FOR
PROCUREMENT OF WORKS UNDER ENGINEERING,
PROCUREMENT AND CONSTRUCTION MODE
(EPC/TURNKEY BASIS)**

**LAHORE WASTEWATER AND DRAINAGE MANAGEMENT
PROJECT (LWDMP) - SEWERAGE SYSTEM FROM LARECHS
COLONY TO GULSHAN E RAVI, LAHORE (THROUGH
TRENCHLESS TECHNOLOGY)**

20th November 2025



**ASIAN INFRASTRUCTURE
INVESTMENT BANK**

**LAHORE WATER AND WASTEWATER MANAGEMENT PROJECT (LWWMP) –
SEWERAGE SYSTEM FROM LARECH COLONY TO GULSHAN-E-RAVI LAHORE
MINUTES OF 2nd PRE-TENDER MEETING HELD ON 20.11.2025 AT 1500 HOURS IN
COMMITTEE ROOM, WASA HEAD OFFICE**

2nd Pre-Tender Meeting for the Project “**Lahore Water and Wastewater Management Project (LWWMP) – Sewerage System from Larechs Colony to Gulshan-e-Ravi, Lahore (Through Trenchless Technology)**” was held under the chairmanship of the Project Director, PMU-LWWMP, in the Committee Room, WASA Head Office, Lahore, on 20th November 2025 (Thursday) at 1500 hours Pakistan Standard Time. The meeting was attended by representatives of the PMU, Project Management Consultants (PMC), and prospective tenderers. The list of participants is attached herewith.

The meeting commenced with the recitation from the Holy Quran. The Chair welcomed all participants and invited them to introduce themselves. Thereafter, the Project Director briefly reiterated the key points presented during the First Pre-Tender Meeting, including the overall project scope, major components, and salient technical features of the works. He further highlighted that the procurement process is being conducted in accordance with the AIIB Directive on Procurement Instructions for Recipients 2024, as previously communicated.

The Project Director also informed the participants about the revisions issued through Addendum No. 1, explaining the nature of changes made in the Tender Documents, including updates to clauses, specifications, drawings, and other relevant sections. He emphasized that tenderers should carefully review the addendum and solely rely on the formally issued written documents for preparing their tenders.

Tenderers were once again advised to submit any further queries in writing so that responses shall be provided formally. The list of queries by the tenderers and their responses are given hereunder:

Sr #	Reference Section	Description	Employer's Response
1.	Volume 1, Part I, Section 2, Tender Data Sheet, ITT 24.1	Extension of the Tender Submission Deadline: In order to ensure that our submission meets all procedural, technical and compliance requirements, we respectfully request extension of tender submission date.	It is informed that the tender submission deadline has already been extended to 15 January 2026 (Thursday) at 1200 hours (Pakistan Standard Time). The same is formally communicated to all prospective tenderers through Addendum No. 1. Moreover, no additional extension will be granted in this regard.
2.	Volume 2, Part II, Section 6, Employer's Requirement	Whether the HDPE internal lining of the concrete pipe can be replaced with an epoxy resin coating? During the micro-tunneling/jacking process, the HDPE liner may be damaged, whereas epoxy coating provides equally reliable anti-corrosion performance (including protection against H ₂ S corrosion). We therefore propose changing the HDPE lining to an epoxy resin coating.	Kindly refer to the Employer Requirements (ER), wherein, it had been exclusively mentioned that the contractor is required to use the HDPE lining. Accordingly, epoxy resin cannot be used as a replacement of HDPE liner.
3.	Volume 2, Part II, Section 6, Employer's Requirement	Can the locations of the manholes be adjusted and optimized according to the actual site conditions? Can the spacing between manholes also be modified?	As per ER 5.1(4(a)) The minimum number of Manholes to be constructed along the Trunk Sewer Lines and Laterals are Ninety-One (91) (1050 mm (27 No.), 1500 mm (16 No.), 2400 (34 No.), 3500 (14 No.)). As per ER Sub-Clause 5.1 manholes are required at all changes in direction or alignment, changes in sewer size and at junctions where sewers of different sizes connect. Please note that manhole to manhole maximum permissible spacing shall be 300–500 m depending on diameter as mentioned in Dwg No. LW-TD-081 to LW-TD-129.
4.	Volume 2, Part II, Section 6, Employer's Requirement	Provided that the minimum flow velocity requirements are maintained (i.e., not less than 0.6 m/s in the near term and not less than 0.9 m/s in the long term), may the pipe gradient be adjusted? For example, may the gradient be allowed to be lower than the minimum specified slope of 0.05%?	The pipe gradient may be adjusted by the Tenderers in accordance with their detailed design and construction methodology, provided that the minimum flow velocity requirements (i.e., not less than 0.6 m/s in the near term and 0.9 m/s in the long term) are fully maintained, and that any such adjustment does not adversely affect the hydraulic performance, self-cleansing capability, maintenance requirements and overall operational efficiency of the pipeline system.

5.	Volume 2, Part II, Section 6, Employer's Requirement	The tender document specifies a pipe segment length of 2.44 m, Is it acceptable to adjust the length to 2 m, 2.5 m, or 3 m?	It is to clarify that the pipe segment length may be adjusted by the Tenderers subject to approval by the Employer/PMC, in line with their detailed design and construction methodology, provided that any modification does not compromise the hydraulic performance, structural integrity, transportation and installation requirements, construction timelines and overall efficiency of the pipeline system, and remains fully compliant with the applicable standards and project specifications.
6.	Volume 2, Part II, Section 6, Employer's Requirement	Does the specified internal diameter refer to the internal diameter of the concrete pipe itself, or the internal diameter of the internal lining?	It is to clarify that for hydraulic design and to ensure the required flow capacity is achieved, the specified internal diameter refers to the clear internal diameter after installation of the internal lining. In other words, the effective diameter is the internal diameter of the finished lined surface, not the concrete pipe.
7.	Volume 2, Part II, Section 6, Employer's Requirement	Please provide a detailed geotechnical and hydrogeological report.	It is to clarify that the requisite geotechnical and hydrogeological reports are available for download from the link . Tenderers may access these documents for reference purposes. However, it is emphasized that these reports are provided for guidance only. Tenderers may verify, validate and cross-check all geotechnical and hydrogeological information as deemed necessary for the preparation of their tenders.
8.	Volume 1. Part I. Section 3 Evaluation and Qualification Criteria	We have lots of experience in the metro/subway, water supply, sewage pipelines, by using Slurry tunnelling boring machine (TBM), but not pipe jacking method. the working mechanism little same, so can the slurry TBM experience be considered as same as pipe jacking? ranging from 3000 mm or above and minimum length of pipeline as 2 km.	Please refer to the reply to Sr. No. 09 of the Clarifications and Minutes of Meeting of 1 st Pre-Tender Meeting, that may be accessed on the WASA Lahore website under LWWMP Tab.
9.	Volume 1. Part I. Section 3 Evaluation and Qualification Criteria	Our understanding is that the project is to be executed using Pipe Jacking Machine or Slurry MTBM. However, the requirement for pipes with an internal diameter (ID) of 3,000 mm or above typically implies a necessary tunnel boring diameter significantly larger than 3 meters. This appears to be beyond the conventional application range of a standard Pipe Jacking Machine, which is generally employed for smaller	It is clarified that the Tender Documents explicitly specify the use of Micro Tunnel Boring Machine (MTBM) for all pipe diameters, including pipes of ID \geq 3,000 mm. Regarding qualification requirements, it is further clarified that: <ul style="list-style-type: none"> The Tender Documents explicitly require the works to be executed using Micro Tunnel Boring Machine (MTBM) for all diameters, including pipes of ID \geq

		<p>diameters (commonly below 3 meters). Could you please officially clarify the following:</p> <ul style="list-style-type: none"> • Is the use of a Pipe Jacking Machine still mandatory for this specific diameter range (ID ≥ 3,000 mm)? • Would the use of a slurry Micro Tunnel Boring Machine (MTBM) for this scope of work be considered valid for meeting the qualification requirements? 	<p>3,000 mm.</p> <ul style="list-style-type: none"> • Yes, the use of a slurry MTBM is acceptable for this scope of work, as it conforms to the tunnelling method specified in the Tender Documents. <p>Tenderers are advised to review the relevant sections of the Tender Documents to ensure compliance with the defined technical and qualification criteria.</p>
10.	Volume 1. Part I. Section 3 Evaluation and Qualification Criteria	<p>For experience criteria in section 3 clause 2.4.2.i design of micro tunnelling contracts, we wish to ask that can we combine experience from more than 2 projects to qualify the requirements for design works.</p>	<p>It is to clarify that the Tenderers are required to comply with the requirements mentioned in the relevant clause of the Tender Documents.</p>
11.		<p>We are writing to you today on behalf of our original equipment manufacturer (OEM). This OEM specializes in the production of high quality vertical spinning concrete pipe plants, specifically designed for the manufacturing of swerage pipe jacking products appropriate for micro tunnel boring machines. Our OEM is currently in the process of preparing a quotation and we require some clarification regarding certification requirements to ensure compliance.</p> <p>Specifically, our OEM would like to formally confirm whether a CE declaration of conformity certificate, is acceptable by WASA Lahore?</p>	<p>It is to clarify that the matter regarding equivalency of any particular CE declaration by OEM with the required standards will be thoroughly examined for consideration on case-to-case basis during the tender evaluation and project execution stage.</p>
12.	Volume 1. Part I. Section 3 Evaluation and Qualification Criteria	<p>We respectfully request clarification regarding the pipeline works under the Lahore Project. Specifically, please confirm the upper limit of the pipeline diameter applicable to this project.</p> <p>In similar large-diameter pipeline projects in China, the same tunneling technology is used; however, it is not commonly referred to as MTBM. To ensure accurate technical alignment and proper equipment selection, we request that you kindly specify the maximum pipeline diameter intended under the MTBM scope for this project.</p>	<p>As clarified at Sr. No. 9.</p>

13.	Volume 2, Part II, Section 6, Employer's Requirement	Is the Contractor require to provide any access road / bridge for mobility of heavy machinery during the execution of the project?	It is clarified that the Employer's Requirements refer exclusively to the construction of access roads and/or bridges wherever necessary. Such infrastructure will be required along Nonarian Road (Line-C), at the dumping and construction camp sites located at Babu Sabu and Bhaini Road land, and at any other locations as may be needed. The Contractor may propose any additional infrastructure in accordance with his own design, construction methodology, and work requirements.
14.	Volume 2, Part II, Section 6, Employer's Requirement Sub-Clause 4.1.12 xxx)	Regarding brick masonry of Disposal Outfall Drain from Head-regulator to River Ravi, the thickness of brick masonry may fall beyond permissible limits at few reaches. Please clarify that RCC lining can be used as alternative measure?	The Tenderers are required to carry out detailed survey of the Disposal Outfall Drain and may propose suitable design, i.e., brick masonry / RCC lining (complete or partial) to carry the design flow in the available right of way. The Contractor shall also carry out dredging and widening of the existing channel to ensure unimpeded disposal of the designed discharge.
15.	Volume 3, Part II, Section 6, Employer's Requirement, Drawing No. LW-TD-005A	We have noted the reference to a WASA-owned land site. Can you please confirm the exact location that will be made available to the Contractor for soil dumping and for setting up the construction camp. Further, is the site owned by WASA ready for construction of camp / pipe manufacturing facility.	As communicated earlier, the WASA-owned land at Ferozepur Road is no longer available. Instead, the WASA-owned land at Babu Sabu and Bhaini Road, as specified in Addendum No. 1, will be provided for dumping and for establishing the construction camp respectively. It is clarified that the Contractor shall be responsible for site preparation, clearance and ensuring access to this WASA-owned land as per ER.
16.	Volume 3A, Part II, Section 6, Employer's Requirement	Who will be responsible for shifting of the utilities and the associated cost will be borne by which party?	Notwithstanding anything contained in the Tender Documents, it is to clarify that the Contractor shall ensure all possible means to avert interception of proposed tunnel works with existing utilities and services of different departments, in accordance with ER Sub-Clause 4.1.12 xvi),. However, in case any temporary shifting of utilities becomes inevitable, the Contractor will be responsible for shifting of the utilities in accordance with ER Sub-Clause 4.1.12 xvi) a), for which the Tenderer is required to provide cost in the Section 4, Price Schedule item No. 3.40. In case any permanent shifting is involved, kindly refer to ER Sub-Clause 4.1.12 xvi) b).
17.	Volume 2, Part II, Section 6, Employer's Requirement, Sub-Clause 2.1 Right of Access to the	After approval of Stage-1 Design including field activities by the Employer/PMU/PMC, the Contractor will be granted possession of the Site for construction purposes subject to provision of	Notwithstanding anything contained in the Tender Documents, it is clarified that land acquisition is not involved in this project. However, the jacking and receiving shaft locations, access roads, and manholes will require

	Site Page 6-3	<p>necessary NOCs (where required) and upon request from the Contractor.</p> <p>Please confirm whether, in accordance with the relevant clause, the Employer shall be responsible for the acquisition and handover of all land required for the Project (including both permanent and temporary land use) after the Contractor obtains the necessary NOCs and submits the required applications. This includes land required for jacking shafts, receiving shafts, access roads, manholes, interim pumping stations, the Contractor's camps, pipe fabrication yards, and spoil disposal areas. In addition, please clarify the specific scope of land acquisition and handover responsibility for jacking shafts and receiving shafts in particular.</p>	<p>temporary access, such sites shall be provided to the Contractor by the Employer, subject to the provisions of the Employer's Requirements, including obtaining NOCs from the relevant departments. Immediate access can be made available by the Employer for land already under its ownership, such as the Contractor's camp, pipe fabrication yards, soil disposal areas, and interim pumping stations. Furthermore, if the Contractor proposes to establish any of these facilities on privately owned land, it shall be the Contractor's responsibility to arrange and secure such land.</p>
18.	Volume 2, Part II, Section 6, Employer's Requirement, Sub-Clause 4.1 Contractors General Obligations, v) Obtain Permits, Permissions, Licenses and/ or Approvals Page 6-94	<p>The Contractor shall give all notices, pay all taxes, duties and fees, and obtain all other permits, NOCs, permissions, licenses and/or approvals, as required by the Laws in relation to the execution of the Works. The following Departments may require prior notices & compliance to their rules & regulations by the Contractor. The Contractor may face significant challenges in obtaining approvals and coordinating with the concerned authorities. As the Employer is a government entity and is able to process such matters more efficiently and at a lower cost, it is recommended that the Employer take responsibility for obtaining the required approvals and documents. Please clarify the Employer's position on this matter.</p>	<p>Pursuant to Section 7, GCC Sub-Clause 2.2, the Employer shall provide reasonable assistance to the Contractor to facilitate the obtaining of any permits, permissions, licences, or approvals required under the Laws of the Country (including any information to be submitted by the Contractor for this purpose). However, this assistance does not alter or diminish the responsibilities assigned to the Contractor under the Employer's Requirements.</p>
19.	Volume 2, Part II, Section 6, Employer's Requirement, Sub-Clause 4.1 Contractors General Obligations Requirements Page 6-97	<p>7. The Contractor shall inform in case any sensitive receptors like buildings, residences, etc. needs to be evacuated at least 3-4 months before micro tunneling operations.</p> <p>Please clarify the party to whom the Contractor is required to submit the relevant notifications, and identify the entity that will be responsible for carrying out any subsequent evacuation activities, if required.</p>	<p>The Contractor shall be responsible for issuing notices to affected persons after obtaining the Employer's approval. The Contractor shall also prepare the Resettlement Plan and/or Livelihood Restoration Plan to address and compensate any loss or disturbance to affected persons, in accordance with Employer's Requirements Sub-Clause 4.1.10 (vii)(E) (page 6-21). These plans will be subject to review and approval by both the Employer and AIIB. The Employer, with the support of the Contractor, will undertake any evacuation activities, if required. It is further clarified that all resettlement costs arising from temporary</p>

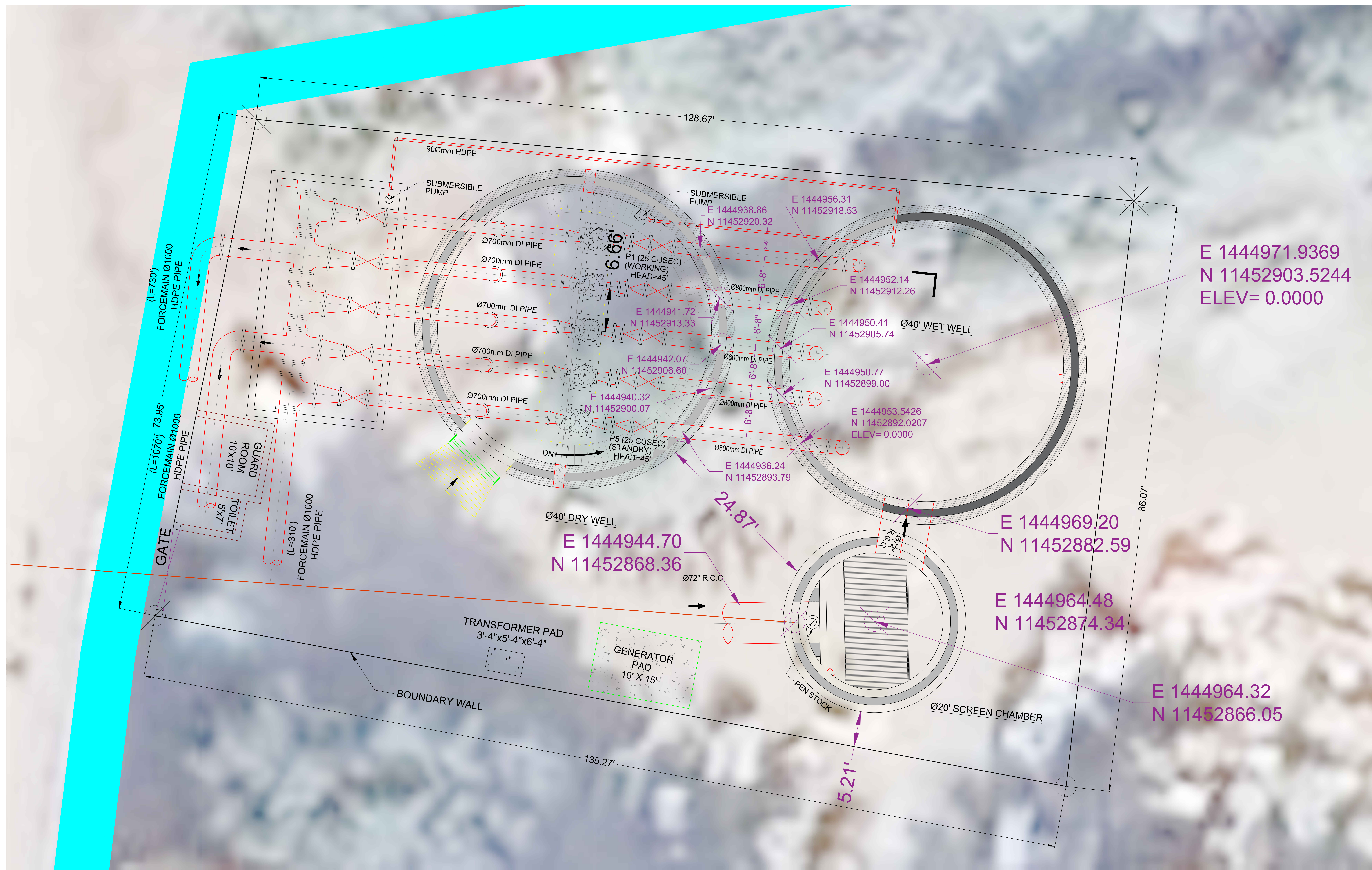
			evacuation or relocation, as stipulated in the E&S documents, shall be borne by the Employer.
20.	Volume 2, Part II, Section 6, Employer's Requirement, Sub-Clause 4.1 Contractors General Obligations, General Requirements, Page 6-97	<p>9. All the instrumentations used throughout the project must be calibrated through certified agency in Pakistan.</p> <p>Please confirm whether the requirement includes the instruments used by the Contractor during construction. In this regard, please specify the types of instruments that require calibration, the approved calibration agency/laboratory, and the applicable calibration standards.</p>	<p>It is confirmed that this includes the instruments to be used by the Contractor during construction. These may include, but are not limited to, instruments for testing steel and metal properties, elongation and tensile strength, cylindrical or cubic concrete strength, geotechnical testing equipment and laboratory tools, as well as mechanical instruments such as vernier calipers and similar equipment. It also encompasses testing instruments such as flow meters, pressure gauges, vibrometers, power analyzers, load-testing devices, and weight-measuring equipment.</p> <p>All such instruments and equipment shall be calibrated by the relevant agencies in accordance with applicable standards, subject to the Employer's approval.</p>
21.	Volume 2, Part II, Section 6, Employer's Requirement, Sub-Clause 4.1 Contractors General Obligations, General Requirements Page 6-97	<p>17. The EPC Contractor shall be liable and indemnify damages to any structures including roads.</p> <p>The EPC Contractor shall be liable for and indemnify any damage to existing structures, including roads, only when such damage is caused by the Contractor's activities. Please clarify which party shall be responsible for damages arising from causes not attributable to the Contractor.</p>	It is to clarify that the Party responsible for the losses shall be liable for and indemnify any damage to existing structures, including roads.
22.	Volume 2, Part II, Section 6, Employer's Requirement, Sub-Clause 4.1 Contractors General Obligations, 4.1.6. Provision of Temporary Facilities - Site Camp and Offices by EPC Contractor (vi) Page 6-85	<p>Security, Health and Safety</p> <p>The Contractor shall be responsible for the security of his staff, material, and equipment, through the approved security agency of Government of Punjab,</p> <ul style="list-style-type: none"> • Provide a Security, Safety, and Health Manual within one month of the notice to proceed. • Comply with ISO 18000:2000 standards, local laws, and traditions. • The Contractor shall ensure mobility of international experts by providing safety and security (preferably through bullet proof vehicles). • The Contractor shall ensure close liaison with local law-enforcement departments and agencies. 	It is to clarify that the Contractor from any region is required to ensure security arrangement at its own cost.

		<ul style="list-style-type: none"> • The Contractor shall ensure round the clock surveillance at each site for security and safety of all staff through CCTV. If the successful bidder is a Chinese company and Chinese personnel are deployed on site, please clarify whether the security agency to be provided refers to the Pakistani military or another government-approved security force, and also identify the party responsible for bearing the associated costs. 	
23.	Volume 4, Part III, Section 8, Conditions of Contract and Contract Forms, Part B-Special Provisions, Sub-Clause 22.6 Local Taxation	<p>The prices tendered by the Contractor are deemed to include all customs duties, import duties, sales taxes, business taxes, income and other taxes that may be levied in accordance with the laws and regulations in force at the Base Date in Pakistan on permanent, temporary and consumable materials and supplies (including spare parts for Contractor's Equipment acquired for the purposes of the Contract) and on the services performed under the Contract. For this purpose, the Contractor shall make his own assessment on customs duties and other taxes payable on Contractor's import. Nothing in the Contract shall relieve the Contractor from his responsibility to pay any tax that may be levied in Pakistan against the Payments received by him in respect of the Contract. According to the Clause 167 of SECOND SCHEDULE PUNJAB SALES TAX ON SERVICES ACT 2012 (2021-2022) , "Explanation- Notwithstanding the rate of 5% fixed in column 4, the following further reduced rates shall be applicable:</p> <p>(a) one per cent for all services specified at S.No.14 without input tax credit or adjustment to the extent of Government civil works including those of cantonment boards involved in the ongoing development schemes and projects launched during Financial Year 2016-17 and funded under the Annual Development Plan of the Punjab Government or funded through foreign loans where the negotiations were finalized after 1st of July 2016 or funded under Public Sector Development</p>	<p>All applicable provisions of the Punjab Sales Tax on Services Act 2012 (as amended from time to time), along with all other relevant tax laws and regulations in force under FBR or any other relevant agency, shall apply to this Project.</p> <p>It is clarified that no specific exemption, concession, or reduced tax/duty rate has been issued by any competent authority (e.g., PRA, FBR) for this Project, nor is any such relief provided under the Contract. In accordance with the Tender Documents, the Contractor shall include all applicable customs duties, taxes, levies, and associated charges in its tendered prices and will remain fully responsible for all tax liabilities arising under the Contract.</p>

		<p>Program of the Federal Government or funded by the Cantonment Boards; and (b) zero per cent for all services specified at S.No.14 without input tax credit/adjustment to the extent of Government civil works including those of cantonment boards involved in the ongoing development schemes and projects launched prior to Financial Year 2016-17 and funded under the Annual Development Plan of the Punjab Government or funded through foreign loans where the negotiations were finalized as on 1st of July 2016 or funded under Public Sector Development Program of the Federal Government or funded by Cantonment Boards."</p> <p>Please clarify whether Clause 167 of the Second Schedule of the Punjab Sales Tax on Services Act 2012 (2021–2022) is applicable to this Project and, accordingly, whether the Contractor is subject to the reduced or zero-rated tax regime outlined in that provision.</p> <p>Furthermore, as this is a sewage treatment (livelihood) project and permanent equipment/ materials will need to be imported, please clarify whether any exemptions or reductions in applicable customs duties, taxes, and other fees can be considered.</p>	
24.	Volume 3A, Part II, Section 6, Employer's Requirement, LW-TD-465	As indicated in the drawings, riverbank protection consists of a 0.2 m thick brick wall and riverbed protection of 0.1 m thick compacted soil. Please confirm whether these protection measures have been supported by appropriate hydraulic and structural design calculations.	It is to clarify that, the indicated thicknesses (0.20 m brick wall and 0.10 m compacted soil) are not based on detailed hydraulic or structural design calculations. The EPC contractor is required to carry out the necessary design calculations and propose the final thicknesses for review and approval as per satisfaction of the Employer.
25.	Volume 1, Part I, Section 4, Tender Forms, Schedule No. 3: Civil Works 3.3.3/3.3.4/3.4.3/3.4.4/3.5.3/3.5.4/3.6.3/3.6.4 Page 4-17-25	Construction of all Jacking/Receiving Shafts along XXXmm pipeline using Steel Sheet piles or any other technology (Indicative Numbers and Sizes mentioned in Employer's Requirements, however the contractor may revisit the design to determine the numbers and sizes of Jacking Shafts) including but not limited to geological radar survey for identification and locating underground utilities,	The Contractor is permitted to proceed with the inspection for acceptance and complete backfilling within 15 days in accordance with his work program after the installation of the sewer tunnel between the jacking and receiving shafts, if all safety requirements, structural stability checks and quality control procedures have been fulfilled. The Contractor must ensure that the Employer / PMC is notified prior to inspection and backfilling and all activities

		<p>drilling of sheet steel piles, excavation of soil, installation bracing of steel elements at designed depth inside of shafts, construction of concrete slab in foundation, construction & dismantling of two thrust blocks of required sizes, installation of two eyes for micro-tunnelling machine, removing of steel piles after completion of manholes and transportation for installation at another Jacking Shaft, transportation of excavated and dismantled material at designated location, etc. Back filling and compaction of all shafts after completion of micro tunnelling works including Testing and Preparation of testing and commissioning report in accordance with ER Sub Clause 4.1 & 5.1. According to Schedule No. 3 for jacking/receiving shafts, the steel sheet piles may be reused after completion of the shafts. Considering safety requirements and efficient turnover of materials, please clarify whether the Contractor is permitted to carry out inspection for acceptance and complete backfilling within 15 days after finishing the pipeline installation at a specific jacking/receiving shaft that is not designated as a permanent manhole.</p>	<p>shall be carried out only after obtaining the approval from the Employer / PMC.</p>
<p>26.</p>	<p>Volume 2, Part II, Section 6, Employer's Requirement and Volume 3A, Part II, Section 6, Employer's Requirement</p>	<p>Line-A will collect flows from disposal stations of Karachi Phattak/ Harbanspura DS, Main Mir Colony, Infantry Road, Bird Market, Larech Colony, Ghazi Mohalla, Muhammad Nagar, Governor House, Lakshmi Chowk, and Janki Devi. Line-B collect sewage flows from disposal stations Guru Mangat, Q-Block, Centre Point, G-Block, Zafar Ali Road, Shareef Colony, Ichra, Shadman, Shama, and Rasool Park. Line-C collects sewage flows from disposal stations of Lytton Road, PIA Planetarium, and Poonch Road. Based on V3A – Part II – Tender Drawings, drawings for the Harbanspura / Karachi Phattak Disposal Station have not been provided. Please define the scope of works for this facility and provide the relevant drawings, including for the inlet chamber, outlet chamber, mechanical screen, drop structure,</p>	<p>The layout of the Harbanspura / Karachi Phattak Disposal facility is enclosed as Annex-A. The detailed design of this facility shall be carried out by the Contractor, consistent with the design approach adopted for other intake structures under the Project. The estimated flows for the disposal stations are already provided in Employer's Requirements, Sub-Clause 5.1, Sewerage System Design Capacity (Page 6-117).</p>

		and odour control system.	
27.	Volume 2, Part II, Section 6, Employer's Requirement	Existing disposal stations are required to be retained or will be demolished?	Kindly refer to the responses to Sr. No. 26 and Sr. No. 41 of the Clarifications and Minutes of the 1st Pre-Tender Meeting, wherein, necessary details for demolishing of the structures are given. The Contractor is required to maintain the functionality of the existing system while providing an appropriate bypass arrangement. In this regard, the Contractor may propose a suitable approach and methodology to meet the project objectives.



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